Amendment to Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An extension piece for a dental implant comprising:

a head part which serves as a basis for a retention element,

a threaded stem with which the extension piece can be screwed into the dental implant,

the extension piece having at least one reference form, which defines the circumferential position of the extension piece and by which reference form the circumferential position of the extension piece can be transferred to a working model,

the extension piece having, between the reference form and the threaded stem, a non-cylindrical outer contour with gripping surfaces by which the extension piece can gripped and screwed into the dental implant with a tool engaging on the gripping surfaces.

the head part being of substantially cylindrical design and having at its upper end a reference surface as the reference form, the reference surface being formed by a cut surface of a semicircular cylinder extending parallel to the screw axis of the extension piece, and wherein a bevel is provided in the area of the transition from the reference surface to ~~the~~ a semicylindrical outer circumferential surface of the semicircular cylinder.

2. (Previously presented) The extension piece as claimed in claim 1, wherein the extension piece has a mating shoulder via which the extension piece can be supported on an implant shoulder of the dental implant, such that the position of the extension piece in the axial direction can be transferred.

3. (Previously presented) The extension piece as claimed in claim 1, wherein the extension piece has a first contour onto which a transfer aid with a complementarily shaped second contour can be clamped and/or snapped, and the first contour is arranged between the gripping surfaces and the reference form.

4-6. (Canceled)

7. (Previously presented) The extension piece as claimed in claim 1, wherein the extension piece is made of a metallic, non-oxidizing, high-melting-point alloy.

8. (Currently Amended) A transfer aid for transferring the position of dental implant and of the extension piece, as claimed in claim 3, to a working model, with the transfer aid comprising:

a transfer surface which defines the circumferential position of the transfer aid,

a base plate in which the transfer surface is arranged, the base plate having a non-cylindrical outer contour which can be anchored securely against rotation in an impression,

the transfer surface being shaped to complement the reference form ~~on~~ of the extension piece and ~~including a semicylindrical inner surface forming~~ being part of a semicylindrical opening in the base plate,

a circular lip which is arranged on the base plate and which has a second contour by which the transfer aid can be snapped and/or clamped onto the first contour of the extension piece, and

wherein a recess is arranged in the transition area between the transfer surface and ~~the~~ a semicylindrical inner surface of said semicylindrical opening in the base plate.

9-11. (Canceled)

12. (Previously presented) The transfer aid as claimed in claim 8, wherein the transfer aid is one piece.

13. (Previously presented) The transfer aid as claimed in claim 8, wherein the opening extends right through the base plate.

14. (Previously presented) The transfer aid as claimed in claim 8, wherein the base plate is provided with holes which are arranged radially outside the circular lip.

15. (Previously presented) A method comprising:

providing an extension piece as claimed in claim 1, and which can be machined,

and using the extension piece as a transfer part for transferring its own axial and circumferential position to a working model and/or as a basis for a retention element.

16. (Canceled)

17. (Currently amended) A method for taking an impression of the radial and axial position of at least one dental implant implanted in a jaw bone with the extension piece as claimed in claim 1 fitted in it to a working model and/or for producing a basis for a retention element, said method comprising the following steps:

a) screwing the at least one extension piece with the reference form as a basis for a retention element into the at least one dental implant with a first torque,

b) producing an impression of the situation of the at least one dental implant and of the extension piece in the patient's mouth by applying an impression compound, the extension piece leaving an impression in the impression compound and remaining connected to the implant after removal of the impression compound from the mouth,

c) removing the extension piece from the implant after removal of the impression compound from the mouth,

d) repositioning the extension piece in the correct position in the impression,

e) before or after step d), screwing a manipulation implant with a second torque onto the at least one extension piece,

f) producing a working model by casting the manipulation implant or implants into a modeling compound, and wherein a position marking is arranged on the extension piece before ~~the~~ machining, and wherein the extension piece, for machining, is removed from the working model and is fitted onto a holder and machined on the latter after the impression has been taken.

18. (Previously presented) The method as claimed in claim 17, wherein a transfer aid is applied to the extension piece before the removal of the impression of the extension piece, and wherein the transfer aid remains in the impression compound when the impression is produced.

19. (Previously presented) The method as claimed in claim 17, wherein the first torque is greater than the second torque, and wherein the second torque approximately corresponds to a manual screwing of the extension piece onto the manipulation implant.

20. (Original) The method as claimed in claim 17, wherein, in step a), the extension piece is turned twice in succession into the implant.

21. (Previously presented) The method as claimed in claim 19, wherein the first torque is approximately 35 Ncm.

22. (Canceled)

23. (Previously presented) The method as claimed in claim 17, wherein during machining of the extension piece, a plateau surface is formed, to which a retention element for mounting a detachable tooth replacement is applied.

24. (Previously presented) The method as claimed in claim 23, wherein the extension piece is screwed into the implant with the first torque.

25. (Original) The method as claimed in claim 23, wherein, upon definitive screwing of the machined extension piece into the implant, a spreading cone is inserted between an inner cone of the implant and the extension piece.

26. (Previously presented) The extension piece as claimed in claim 7, wherein the alloy is a composition of 60% Au, 19% Pt, 20% Pd, 1% Ir, the melting range being between 1400° and 1490° Celsius.

27. (Previously presented) The method as claimed in claim 18, wherein the transfer aid is applied to the extension piece by clamping and/or screwing.

28. (Previously presented) The transfer aid as claimed in claim 12, made of a plastic material.

29. (Currently amended) A method for taking an impression of the radial and axial position of at least one dental implant implanted in a jaw bone with ~~an~~ the extension piece as claimed in claim 1 fitted in it to a working model and/or for producing a basis for a retention element, said method comprising the following steps:

a) screwing the at least one extension piece with a reference surface as a basis for a retention element into the at least one dental implant with a first torque,

b) producing an impression of the situation of the at least one dental implant and of the extension piece in the patient's mouth by applying an impression compound, the extension piece leaving an impression in the impression compound and remaining connected to the implant after removal of the impression compound from the mouth,

c) removing the extension piece from the implant after removal of the impression compound from the mouth,

d) repositioning the extension piece in the correct position in the impression,

e) before or after step d), screwing a manipulation implant with a second torque onto the at least one extension piece, wherein the first torque is greater than the second torque, and wherein the second torque approximately corresponds to a manual screwing of the extension piece onto the manipulation implant, and

f) producing a working model by casting the manipulation implant or implants into a modeling compound, and wherein the extension piece is machined after the impression has been taken.

30. (Previously presented) The method as claimed in claim 29, wherein, in step a), the extension piece is turned twice in succession into the implant.

31. (Canceled)

32. (Previously presented) The method as claimed in claim 29, wherein a position marking is arranged on the extension piece before the machining, and wherein the

extension piece, for machining, is removed from the working model and in particular fitted onto a holder and machined on the latter.

33. (Previously presented) The method as claimed in claim 32, wherein during machining of the extension piece, a plateau surface is formed, to which a retention element for mounting a detachable tooth replacement is applied.

34. (Previously presented) The method as claimed in claim 29, wherein the machined extension piece is screwed into the implant with the first torque.

35. (Previously presented) The method as claimed in claim 32, wherein, upon definitive screwing of the machined extension piece into the implant, a spreading cone is inserted between an inner cone of the implant and the extension piece.